

PATENT
674509-2020IN THE CLAIMS:

Kindly amend the claims without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents as follows:

D 1. (Twice Amended) In a process for the addition of an anti-oxidant to a foodstuff, which foodstuff comprises or is obtained from a plant or part thereof, the improvement comprising expressing in the plant or part thereof a recombinant enzyme which acts on a glucan substrate present in the plant or part thereof to yield said anti-oxidant; wherein said recombinant enzyme is glucan lyase; wherein said antioxidant is anhydrofructose; and wherein both said glucan lyase and anhydrofructose are produced *in situ* with the plant or part thereof, such that the foodstuff comprises the antioxidant anhydrofructose.

D2 MM 7 9. (Twice Amended) In the process according to claim 1, wherein the enzyme is encoded by a nucleotide sequence having any one of the sequences shown as SEQ ID NOs: 7-12.

D3 21. (Twice Amended) In a process for improving the transformation of a plant, which process comprises the addition of an antioxidant; the improvement comprising expressing in the plant or part thereof a recombinant enzyme which acts on a glucan substrate present in the plant or part thereof to yield the antioxidant; wherein said recombinant enzyme is glucan lyase; wherein said antioxidant is anhydrofructose; and wherein both the glucan lyase and the anhydrofructose are produced *in situ* in the plant or part thereof, such that the plant comprises the antioxidant anhydrofructose and said anhydrofructose improves the transformation of said plant.

Please add the following claims:

D 26. (New) In the process according to claim 1, wherein the foodstuff comprises a beverage.

27. (New) In the process according to claim 26, wherein the beverage is wine.

28. (New) In the process according to claim 21, wherein the plant is grape.

D 29. (New) In the process according to claim 1, wherein the enzyme is encoded by a nucleotide sequence having at least 75% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

D 30. (New) In the process according to claim 1, wherein the enzyme is encoded by a nucleotide sequence having at least 85% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

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31. (New) In the process according to claim 1, wherein the enzyme is encoded by a nucleotide sequence having at least 90% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

32. (New) In the process according to claim 21, wherein the recombinant enzyme is encoded by any one of the sequences shown as SEQ ID NOs: 7-12.

33. (New) In the process according to claim 21, wherein the enzyme is encoded by a nucleotide sequence having at least 75% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

34. (New) In the process according to claim 21, wherein the enzyme is encoded by a nucleotide sequence having at least 85% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

35. (New) In the process according to claim 21, wherein the enzyme is encoded by a nucleotide sequence having at least 90% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

36. (New) In the process according to claim 28, wherein the recombinant enzyme is encoded by any one of the sequences shown as SEQ ID NOs: 7-12.

37. (New) In the process according to claim 28, wherein the enzyme is encoded by a nucleotide sequence having at least 75% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

38. (New) In the process according to claim 28, wherein the enzyme is encoded by a nucleotide sequence having at least 85% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

39. (New) In the process according to claim 28, wherein the enzyme is encoded by a nucleotide sequence having at least 90% homology to any one of the sequences shown as SEQ ID NOs: 7-12.

Please cancel claims 2-8, 10-20 and 22-25 without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents.